

**03040205-08**  
**(Black Mingo Creek)**

**General Description**

Watershed 03040205-08 (formerly 03040205-160, 170) is located in Williamsburg and Georgetown Counties and consists primarily of **Black Mingo Creek** and its tributaries. The watershed occupies 160,757 acres of the Lower Coastal Plain region of South Carolina. Land use/land cover in the watershed includes: 29.2% forested land, 0.2% nonforested wetland, 0.2% water, 30.9% forested wetland, 6.5% scrub/shrub land, 3.9% urban land, and 29.1% agricultural land.

Cedar Swamp (Orr Swamp, Home Swamp, Dry Swamp, The Morass, Pine Island Bay) and Parsley Swamp (Whiteoak Swamp, McKnight Swamp) join to form the headwaters of Black Mingo Creek. Downstream of the confluence, Black Mingo Creek accepts drainage from Turkey Creek, Boggy Swamp, and Indiantown Swamp (James Branch, Pointer Stump Branch). Further downstream, Black Mingo Creek accepts drainage from Wilson Lake, Gully Branch, Headless Creek, Snow Branch, and Campbell Swamp (Hickory Nut Branch). Johnson Branch enters the system next, followed by Walden Branch, Poplar Hill Branch (Caney Branch, Waterman Branch, Hughs Branch), Rome Branch, Burnett Swamp, and Jacks Creek. Further downstream, Browns Branch (Squirrel Run, Church Branch, Pittman Branch) flows into Black Mingo Creek followed by Peters Creek, Smith Swamp (Black Steer Swamp, McGinney Creek), Cold Creek, Mingo Swamp, and Schoolhouse Branch. The Black Mingo Creek flows into the Black River. There are a total of 219.6 stream miles and 223.3 acres of lake waters in this watershed, all classified FW.

**Surface Water Quality**

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-703	BIO	FW	PAISLEY SWAMP AT SC 261
PD-360	W/INT	FW	BLACK MINGO CREEK AT S-45-121
PD-361	S/INT	FW	BLACK MINGO CREEK AT COWHEAD LANDING OFF SC 51

**Paisley Swamp (PD-703)** - Aquatic life uses are fully supported based on macroinvertebrate community data.

**Black Mingo Creek** - There are two SCDHEC monitoring sites along Black Mingo Creek. This is a blackwater system, characterized by naturally low pH and dissolved oxygen conditions. At the upstream site (**PD-360**), aquatic life and recreational uses are fully supported. Although dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. A significant decreasing trend in five-day biological oxygen demand suggests improving conditions for this parameter. At the downstream site (**PD-361**), aquatic life uses are fully supported. Recreational uses are fully supported; however, there is a significant increasing trend in fecal coliform bacteria concentration at this site. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. A significant

decreasing trend in five-day biochemical oxygen demand suggests improving conditions for this parameter.

*A fish consumption advisory has been issued by the Department for mercury and includes **Black Mingo Creek** within this watershed (see advisory p.72).*

## **Groundwater Quantity**

Portions of this watershed fall within the Waccamaw Capacity Use Area and large groundwater uses must be reported (see Capacity Use Program p.27).

## **Nonpoint Source Management Program**

### ***Land Disposal Activities***

#### **Land Application Sites**

*LAND APPLICATION SYSTEM  
FACILITY NAME*

*ND#  
TYPE*

SPRAYFIELD  
HOUSE OF RAEFORD FARMS, INC.

ND0068161  
INDUSTRIAL

## **Growth Potential**

There is a low potential for growth in this watershed, which contains the Town of Stuckey. Water infrastructure is available around the Town of Stuckey, but there is no sewerage infrastructure available in the watershed. Agriculture and timberlands are the primary land uses.